

Study Guide- Circulatory and Respiratory Systems

Explain what is blood pressure/ what blood pressure numbers mean top/bottom/ at least 4 factors that affect blood pressure. **Lesson 16**

Describe the difference between arteries/veins/capillaries **page 126**

List 3 factors that would cause a person's heart rate to increase and 3 factors that would cause it to decrease and why. **page 126-129**

List the 4 main components of blood and the major function of each component **page 134-137**

Under the ABO blood typing system, what are the 4 blood types and what blood types can donate what type and receive what type? **page 134-137**

Explain the function of valves in the circulatory system. Where can they be found?
page 126-129

Explain why the heart is called the double pump. Which pump has more force and why?
pg 126-129

List the strengths and weaknesses of the heart model apparatus used in lab. **Lab 14**

What is the function of the pacemaker in the heart? **page 128**

Explain the path of blood through the heart to the body and lungs and back again. What are the functions of each structure of the heart. **Refer to diagram in Inquiry 14**

Explain how the respiratory and circulatory systems adjust to meet the demands of the body under different conditions, such as exercising or carrying a heavy weight. **Lab 15**

Explain how the digestive, respiratory and circulatory systems help each other to do their job

Describe the steps involved in inhaling and exhaling and how the epiglottis is involved. **pg 85-89**

What is the difference between total lung capacity, vital capacity and residual volume? **lesson 11**

What is cellular respiration? List the ingredients and the products. How does the body eliminate the waste products? **Lesson 12 page 108-109**

What is bromothymol blue? **Lab 12**

Define a calorie. Explain how you determined the relative caloric value of food as you did in **inquiry 13**